

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. I-2-0203.4US

SERIAL NO. 10/085,187

APPLICANT Joseph A. Kwak

FILING DATE February 27, 2002 GROUP 2662

		U.S. PATENT	DOCOMEN 12	1	1	<u>.</u>
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,912,705	03/1990	Paneth et al.			
	5,101,406	03/1992	Messenger			
	5,280,498	01/1994	Tymes et al.			
	5,345,439	09/1994	Marston			
	5,345,600	09/1994	Davidson			
	5,351,016	09/1994	Dent			
	5,544,196	08/1996	Tiedemann, Jr. et al.			
	5,570,369	10/1996	Jokinen			
	5,648,969	07/1997	Pasternak et al.			
	5,657,325	08/1997	Lou et al.			
	5,715,260	02/1998	Black et al.			
	5,729,557	03/1998	Gardner et al.			
	5,828,677	10/1998	Sayeed et al.			
	5,838,267	11/1998	Wang et al.			
	5,918,156	06/1999	Tanabe			
	5,946,320	08/1999	Decker			
	5,954,839	09/1999	Park et al.2			
	5,954,839	09/1999	Park et al.17			
	5,956,624	09/1999	Hunsinger et al.			
	5,982,760	11/1999	Chen			
	5,983,382	11/1999	Pauls			
	5,983,383	11/1999	Wolf			
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	6,021,123	02/2000	Mimura			
	6,021,124	02/2000	Haartsen ³			

EXAMINER	DATE CONSIDERED
/Daniel Ryman/	06/04/2008

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,049,549	04/2000	Ganz et al.			
	6,064,692	05/2000	Chow			
	6,128,276	10/2000	Agee			
	6,130,918	10/2000	Humphrey et al			
	6,134,694	10/2000	Uebayashi et al.			
	6,138,260	10/2000	Ketseoglou			***
	6,145,108	11/2000	Ketseoglou			
	6,154,489	11/2000	Kleider et al.			_
	6,189,123	02/2001	Anders Nystrom et al.			
	6,208,663	03/2001	Schramm et al. 4			
	6,212,240	04/2001	Scheibel, Jr. et al.			
	6,212,659	04/2001	Zehavi			
	6,226,520	05/2001	Jeoung ¹³			
	6,233,711	05/2001	Murayama et al.			
	6,262,994	07/2001	Dirschedl et al.			
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	6,275,488	08/2001	Cudak et al.			
	6,289,003	09/2001	Raitola et al.			
	6,301,479	10/2001	Roobel et al.			·
	6,308,294	10/2001	Ghosh et al.			
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	6,359,877	03/2002	Rathonyi et al.			
	6,366,601	04/2002	Ghosh et al.			
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	6,421,803	07/2002	Persson et al.			
	6,449,246	09/2002	Barton et al.			

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	6,470,391	10/2002	Takamoto et al.			
	6,473,399	10/2002	Johansson et al.11			
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	6,529,561	03/2003	Sipola			
	6,587,985	07/2003	Fukushima et al.			
	6,601,207	07/2003	Vanttinen ⁵			
	6,621,807	09/2003	Jung et al. 6			
	6,647,076	11/2003	Schenk et al.			
	6,671,266	12/2003	Moon et al. 7			
	6,735,180	05/2004	Malkamaki et al.			
	6,760,860	07/2004	Fong et al.			
	6,831,910	12/2004	Moon et at. 8			
	6,895,010	05/2005	Chang et al. 9			
	6,907,005	06/2005	Dahlman et al.			
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	7,164,654	01/2007	Hunzinger et al.			
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	2002/0037058	03/2002	Birru			
	2002/0064167	05/2002	Khan et al.			
	2002/0191544	12/2002	Cheng et al.			
	2003/0039226	02/2003	Kwak			
		FOREIGN PATE	NT DOCUMENTS			
EXAMINER INITIAL						TRANSLATION
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES NO

EXAMINER	DATE CONSIDERED		
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	0797327	09/1997	EP			
	0859475	08/1998	EP			
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	09-298575	11/1997	JP		X**	
000000000000000000000000000000000000000			***************************************	000000		000000000000000000000000000000000000000
	2000-188609	07/2000	ĮĐ.		X**	
	01-141431	06/1989	JP		X**	
	09-116597	05/1997	JP		X**	
	<u>2004-403684</u>	04/2001		000000	×.**	000000000000000000000000000000000000000
	11-046217	02/1999	JP		X**	
	2000-004196	01/2000	JP		X**	
	2003/0004618	01/2003	KR			х
	2179370	02/2002	RU			
	2195768	12/2002	RU			
	2221338	01/2004	RU			
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	2235432	08/2004	RU			
	2282310	10/2003	RU		Х	
	2294055	01/2006	RU		Х	
	97118086	07/1999	RU			
	2001126714	07/2003	RU			
000000000000000000000000000000000000000	434684	04/2001			000000000000000000000000000000000000000	0000000000000
	00/10298	02/2000	wo			
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		99/09698	02/1999	wo				
		97/37459	10/1997	WO 1				
		98/31106	07/1998	WO 14				
		01/01624	01/2001	WO 15				
		02/33877	04/2002	WO 16				
		99/66675	12/1999	WO ¹²				
		2004/038990	06/2004	WO18				
			OTHER D	OCUMENTS		-		
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		"Hybrid ARQ Methods for FDD in Release in 2000," TSG-RAN Working Group 1 Meeting #14, Oulu, Finland, (July 4-7, 2000).						
	~	3GPP, "Physical Layer Aspects of UTRA High Speed Downlink Packet Access," 3GPP TR 25.848 V4.0.0 (2001-03), pp. 1-89.						
		3GPP, 3 rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical layer aspects of UTRA High Speed Downlink Packet Access (Release 4), TR 25.848 V4.0.0 (2001-03), p. 50.						
		3GPP, 3 rd Generation Partnership Project; Technical Specification Group Radio Access Network; Report on Hybrid ARQ Type II/III (Release 2000), 3GPP TR 25.835 V1.0.0 (September 2000).						
_	BAKHTIYARI ET AL. "Practical Implementation of a Mobile Data Link Protocol With A Type II Hybrid ARQ Scheme and Code Combing," Personal Communication – Freedom Through Wireless Technology. Proceedings of the Vehicular Technology Conference, pp. 774-777 (May 18, 1993).							
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	*	MUNETA ET AL., "A New Frequency-Domain Link Adaptation Scheme for Broadband OFDM Systems," IEEE VTS 50th Vehicular Technology Conference, Vol. 1, pp. 253-257 (1999).	
		ROHLING ET AL. "Performance Comparison of Different Multiple Access Schemes for the Downlink of an OFDM Communication System", 1997 IEEE 47th Vehicular Technology Conference, May 1997, vol. 3, p. 1368, (May 1997).	
		SAYEED, "Throughput Analysis and Design of Fixed and Adaptive ARQ/Diversity Systems for Slow Fading Channels." Global Telecommunications Conference, 1998, pp. 3686-3691 (November 8, 1998).	
		SHIOZAKI ET AL. "A Hybrid ARQ Scheme With Adaptive Forward Error Correction for Satellite Communications." IEEE Transactions on Communications, pp. 482-484 (April 1, 1991).	
		STALLINGS, "Networking Standards – A Guide to OSI, ISDN, LAN, and MAN Standards", p. 37, (February 1993).	
		WANG ET AL. "Error Control and Concealment for Video Communication A Review 1".	

^{**} Abstract Only

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¹ corresponds to JP 2000-507777; ² corresponds to RU 2195768; ³ corresponds to CN 1275279; ⁴ corresponds to CN 1277766;

⁵ corresponds to RU 2001126714; ⁶ corresponds to RU 2195089; ⁷ corresponds to RU 2179370; ⁸ corresponds to RU 2210864;

⁹ corresponds to RU 2221338; ¹⁰ corresponds to RU 2221339; ¹¹ corresponds to RU 2235432; ¹² corresponds to CN 1275299;

¹³ corresponds to RU 2138125; ¹⁴ corresponds to RU 2234806; ¹⁵ corresponds to RU 2216868; ¹⁶ corresponds to RU 2236091;

¹⁷ corresponds to RU 2294055; ¹⁸ corresponds to RU 2282310; ¹⁹ corresponds to US 6,181,683